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09/866307

PATENT  
Docket No. 110.00440102

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: WACKETT et al. )  
Patent No.: 6,825,001 B2 )  
Issued: Nov. 30, 2004 )  
For: DNA MOLECULES AND PROTEIN DISPLAYING IMPROVED TRIAZINE  
COMPOUND DEGRADING ABILITY

REQUEST FOR CERTIFICATE OF CORRECTION

Decisions and Certificates of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Certificate**  
OCT 27 2006  
**of Correction**

Sir:

On August 9, 2005, Applicants filed a Request for Certificate of Correction requesting the correction of five errors under Other Publications, and one error under Related U.S. Application Data, paragraph (62). On September 5, 2006, a Certificate of Correction issued which corrected the five errors under Other Publications. However, the request to correct the error under Related U.S. Application Data, paragraph (62), was denied. Applicants request consideration of the Request as follows.

Under Related U.S. Application Data, paragraph (62), priority data is missing, and the currently described data is out of order. Enclosed please find a copy of the preliminary amendment filed 25 May 2001 which correctly lists the priority data.

Applicants submit that the enclosed Request for Certificate of Correction does not in any way change priority data; rather, the Request rearranges and adds data to reflect the priority data as originally filed.

Enclosed please find two copies of the text noting the correction for the Certificate. Since the error listed is not due to Applicants' mistake, no fee is necessary for the Certificate. The correction in the proposed Certificate of Correction does not involve such changes in the patent as would constitute new matter or would require reexamination.

**REQUEST FOR CERTIFICATE OF CORRECTION**

Page 2 of 2

Applicant(s): WACKETT et al.

Patent No.: 6,825,001 B2

Issued: Nov. 30, 2004

For: DNA MOLECULES AND PROTEIN DISPLAYING IMPROVED TRIAZINE COMPOUND DEGRADING ABILITY

Please mail the printed Certificate of Correction to the undersigned attorney.

**CERTIFICATE UNDER 37 C.F.R. 1.8:**

The undersigned hereby certifies that this paper or fee is being deposited with the United States Postal Service as first class mail, in an envelope addressed to the Decisions and Certificates of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 20 day of October, 2006.

By:

Sandy Truehart  
Sandy Truehart

Respectfully submitted

By

Mueting, Raasch & Gebhardt, P.A.

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**Customer Number 26813**

October 20, 2006

Date

DLP/skd/ace

By:

David L. Provence

David L. Provence

Reg. No. 43,022

Direct Dial: (612)305-1005

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

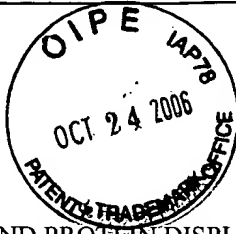
Applicant(s): WACKETT et al.

Docket No.: 110.00440102

Patent No.: 6,825,001 B2

Issued: November 30, 2004

Title: DNA MOLECULES AND PROTEIN DISPLAYING IMPROVED TRIAZINE COMPOUND  
DEGRADING ABILITY



Decisions and Certificates of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):

- ☒ **Small entity status is entitled to be asserted in the above-identified application.**  
☒ An itemized return postcard.  
☒ Request for Certificate of Correction (2 pgs); Copy of the Preliminary Amendment filed May 25, 2001 (5 pgs.); Certificate of Correction (1 pg in duplicate).  
Amendment ☐ No Additional fee is required. ☐ The fee has been calculated as shown:

Fee Calculation for Claims Pending After Amendment					
	Pending Claims after Amendment (1)	Claims Paid for Earlier (2)	Number of Additional Claims (1-2)	Cost per Additional Claim	Additional Fees Required
Total Claims				x \$50 =	
Independent Claims				x \$200 =	
One or More New Multiple Dependent Claims Presented? If Yes, Add \$360 Here →					
Total Additional Claim Fees Required					

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

MUETING, RAASCH & GEBHARDT, P.A.  
Customer Number: 26813

By: David L. Provence  
Name: David L. Provence  
Reg. No.: 43,022  
Direct Dial: 612-305-1005  
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**CERTIFICATE UNDER 37 CFR §1.8:**

The undersigned hereby certifies that this paper is being deposited with the United States Postal Service as first class mail, in an enveloped addressed to the Decisions and Certificates of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 20 day of October, 2006.

By: Sandy Truehart  
Name: Sandy Truehart

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO.: 6,825,001 B2

DATED: Nov. 30, 2004

INVENTOR(S): WACKETT et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On page 1, paragraph (62), under Related U.S. Application Data, delete "Division of application No. 09/155,036, filed as application No. PCT/US98/00944 on Jan. 16, 1998, now Pat. No. 6,265,201" and insert –Division of application No. 09/155,036, filed on Sep. 17, 1998, now Pat. No. 6,265,201, which is a 371 of international application No. PCT/US98/00944, filed on Jan. 16, 1998, which is a non-provisional of provisional application No. 60/035,404, filed on Jan. 17, 1997.–.

MAILING ADDRESS OF SENDER:

MUETING, RAASCH & GEBHARDT, P.A.  
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Customer Number 26813

PATENT NO. 6,825,001 B2

No. of add'l copies

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UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO.: 6,825,001 B2

DATED: Nov. 30, 2004

INVENTOR(S): WACKETT et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On page 1, paragraph (62), under Related U.S. Application Data, delete "Division of application No. 09/155,036, filed as application No. PCT/US98/00944 on Jan. 16, 1998, now Pat. No. 6,265,201" and insert –Division of application No. 09/155,036, filed on Sep. 17, 1998, now Pat. No. 6,265,201, which is a 371 of international application No. PCT/US98/00944, filed on Jan. 16, 1998, which is a non-provisional of provisional application No. 60/035,404, filed on Jan. 17, 1997.–.

MAILING ADDRESS OF SENDER:

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MINNEAPOLIS, MINNESOTA 55401  
Customer Number 26813

PATENT NO. 6,825,001 B2

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COPY

PATENT  
Attorney Docket No. 110.00440102

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Lawrence P. Wackett, et al.

Serial No.: Not yet assigned (Division of 09/155,036)

Filed: Even date herewith

For: DNA MOLECULES AND PROTEIN DISPLAYING IMPROVED TRIAZINE  
COMPOUND DEGRADING ABILITY

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**PRELIMINARY AMENDMENT**

BOX PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

The present application is a division of U.S. Patent Application No. 09/155,036, filed on 17 September 1998, which in turn is a 371 filing of International Patent Application No. PCT/US98/00944, filed 16 January 1998, which in turn claims the benefit of U.S. Provisional Patent Application No. 60/035,404, filed 17 January 1997.

Prior to taking up the above-identified application for examination, please amend the application as follows:

**IN THE SPECIFICATION**

Please insert the following two new paragraphs at page 1, line 4, immediately before the heading, "Background of the Invention":

-- STATEMENT OF GOVERNMENT SUPPORT

This invention was made with government support from the United States Department of Agriculture-BARD program, Grant No. 94-34339-112. The government may have certain rights in this invention.

**CROSS-REFERENCE TO RELATED APPLICATIONS**

The present application is a division of U.S. Patent Application No. 09/155,036, filed on 17 September 1998, which in turn is a 371 filing of International Patent Application No. PCT/US98/00944, filed 16 January 1998, which in turn claims the benefit of U.S. Provisional Patent Application No. 60/035,404, filed 17 January 1997, all of which are hereby incorporated

herein by reference in their entirety. --

Please replace the paragraph beginning at page 7, line 21, with the following rewritten paragraph. Per 37 C.F.R. §1.121, this paragraph is also shown in Appendix A with notations to indicate the changes made.

-- **Fig. 1.** Nucleotide sequence alignment of wild type *atzA* (bottom sequence) from *Pseudomonas sp.* strain ADP and clone (A7) (SEQ ID NO:1 and SEQ ID NO:3). The boxed sequences indicate areas of nonidentity between the two nucleotide sequences. --

Please replace the paragraph beginning at page 7, line 24, with the following rewritten paragraph. Per 37 C.F.R. §1.121, this paragraph is also shown in Appendix A with notations to indicate the changes made.

-- **Fig. 2.** Nucleotide sequence alignment of wild type *atzA* (bottom sequence) from *Pseudomonas sp.* strain ADP and clone (T7) (SEQ ID NO: 1 and SEQ ID NO:4). The boxed sequences indicate areas of nonidentity between the two nucleotide sequences. --

Please replace the paragraph beginning at page 7, line 27, with the following rewritten paragraph. Per 37 C.F.R. §1.121, this paragraph is also shown in Appendix A with notations to indicate the changes made.

-- **Fig. 3.** Amino acid sequence alignment of wild type AtzA (bottom sequence) from *Pseudomonas sp.* strain ADP and clone (A7) (SEQ ID NO:2 and SEQ ID NO:5). The boxed sequences indicate areas of nonidentity between the two amino acid sequences. Start, indicates beginning of the protein; Stop, indicates end of the protein. --

Please replace the paragraph beginning at page 7, line 30, with the following rewritten paragraph. Per 37 C.F.R. §1.121, this paragraph is also shown in Appendix A with notations to indicate the changes made.

-- **Fig. 4.** Amino acid sequence alignment of wild type AtzA from *Pseudomonas sp.* strain ADP and clone (T7) (SEQ ID NO:2 and SEQ ID NO:6). The boxed sequences indicate areas of nonidentity between the two amino acid sequences. Start, indicates beginning of the protein; Stop, indicates end of the protein. --

Please replace the paragraph beginning at page 8, line 1, with the following rewritten paragraph. Per 37 C.F.R. §1.121, this paragraph is also shown in Appendix A with notations to indicate the changes made.

-- **Fig. 5.** Nucleotide sequence alignment of wild type *atzA* (SEQ ID NO:1, bottom sequence) from *Pseudomonas sp.* strain ADP and clone (A11). Fig. 5(a) provides the sequence from nucleic acids 11-543 (SEQ ID NO:7), Fig. 5(b) provides the sequence from nucleic acids 454-901 (SEQ ID NO:8), Fig. 5(c) provides the sequence from 1458-1851 (SEQ ID NO:9; N in this sequence indicates that this nucleotide has not been verified) and Fig. 5(d) provides the sequence from nucleic acids 1125-1482 (SEQ ID NO:10) of clone A11. The boxed sequences indicate areas of nonidentity between the two nucleotide sequences. The "N" in these sequences refer to nucleic acids that are being verified. The four "C" nucleotides depicted above the top sequence in 5(a) and the eleven "G" nucleotides depicted above the top sequence in 5(b) indicate the correct nucleotide sequence of the top sequence. --

Please replace the paragraph beginning at page 26, line 22, with the following rewritten paragraph. Per 37 C.F.R. §1.121, this paragraph is also shown in Appendix A with notations to indicate the changes made.

-- Recursive sequence recombination was performed by modifications of existing procedures (Stemmer, W., Proc. Natl. Acad. Sci. USA 91:10747-10751 (1994) and Stemmer, W. Nature 370:389-391 (1994)). The entire 8.4 kb plasmid was treated with DNAase I in 50 mM Tris-Cl pH 7.5, 10 mM MnCl<sub>2</sub> and fragments between 500 and 2000 bp were gel purified. The fragments were assembled in a PCR reaction using Tth-XL enzyme and buffer from Perkin Elmer, 2.5 mM MgOAc, 400 μM dNTPs and serial dilutions of DNA fragments. The assembly reaction was performed in an MJ Research "DNA Engine" thermocycler programmed with the following cycles:

- 1      94°C, 20 seconds
- 2      94°C, 15 seconds
- 3      40°C, 30 seconds
- 4      72°C, 30 seconds + 2 seconds per cycle
- 5      go to step 2 39 more times
- 6      4°C                      --



**COPY**

**IN THE CLAIMS**

Please cancel claims 1 and 12-22 as requested in the Request for Filing A Divisional Patent Application Under Rule §1.53(b), filed concurrently herewith.

**REMARKS**

Claims 1 and 12-22 are canceled without prejudice or disclaimer. Claims 2-11 and 23-34 are now pending.

The specification is amended at page 1 to add a statement regarding government rights and to add a cross reference to the prior application.

With regard to the amendments to pages 7 and 8 of the specification, it was noted that features depicted in the Figures as filed in the priority document, PCT/US98/00944, filed January 16, 1998, were not described in the specification as filed. The Brief Description of the Drawings for Figures 1 through 5 has been amended to describe these features.

The specification is amended at page 26 to correct a typographical error.

Applicant respectfully submits that these amendments embody merely the correction of formal matters in the specification, and respectfully requests that the preliminary amendment described herein be entered into the record prior to examination and consideration of the above-identified application.

Respectfully submitted,  
LAWRENCE P. WACKETT, et al.  
By Applicants' Representatives,  
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**Customer Number 26813**

May 25, 2001  
Date  
AMM/mi

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Ann M. Mueting  
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Date of Deposit: May 25, 2001  
Express Mail label number: EL 776903407 US

I hereby certify that this paper and/or fee is/are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Box Patent Application, Washington, D. C. 20231.

Marc Ireland  
Name: Marc Ireland